

Message

From: Lee, Bessie [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CD1A2CF2F38F4D0DA561C44C58223465-BELEE]
Sent: 6/4/2013 11:31:56 PM
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Subject: Notes from the May 1, 2013 Call about the Hopi Infrastructure Projects

Participating in the May 1, 2013 call were:

Shungopavi – Leslie Nasingoetewa, Christine Tawahongva
Sipaulovi – King Honani, Bonnie Secakuku
Upper Moenkopi – Sam Shingoitewa, Randy Wolff
Hopi Tribe – Lionel Puhuyesva
IHS - Eric Matson, Brad Rae, Marcus Felter, Pete Mitchell
BIA – Eldine Stevens
BIA, OFMC - Dennis Rodriguez, Rex Wahl
GHS - Kerry Brough
USEPA – Susanne Perkins, Bessie Lee

Hopi Arsenic Mitigation Project (HAMP) – Since Josh Van Vleet, the IHS HAMP Project Manager, was not on the call, Brad Rae provided an update to the HAMP. Brad indicated he may not have the most recent information, though.

In relation to the Strategic Plan, some preliminary documents were produced by the Hopi Tribe (e.g., revised document that creates a utility authority for Hopi, draft agreement form between the Hopi Tribe and each of the affected villages). The documents were passed on to GHD for review and comment. More ordinance types of documentation will be required before the HAMP is up and running. Josh Van Vleet had met with Sipaulovi/Mishongnovi and FMCV. There

was tribal representation at both meetings. During the meetings, issues related to the HAMP, pipeline alignments, and infrastructure locations were discussed. No major roadblocks emerged from the meetings.

Marcus Felter indicated that an information-type meeting was also held with Bacavi since the Bacavi council representatives wanted to know more about the HAMP. Marcus also indicated that the well drilling contract was signed by the Hopi Tribe. The pre-construction meeting will be held on May 14, 2013 at the Health Care Center in Polacca. Hopefully, the well drilling activities will start after the pre-construction meeting. It is guesstimated that the drilling of the two wells may take 30 days per well.

Eric Matson indicated that a critical item on IHS' plate is to complete the PER so it incorporates the comments from Mike Luecker of USDA-RD. Mike wanted IHS to look at the alternative of installing separate arsenic treatment systems for each affected village. GHD is being used to assist with present worth value comparisons of the existing alternatives and the arsenic treatment option.

Kerry Brough indicated that the Hopi Tribe is moving forward with involving BIA in the HAMP.

Dennis Rodriguez indicated he started talking recently (April 12, 2013) with Josh Van Vleet and Robert Lorenz about the HAMP (Ap. The arsenic treatment plant at Keams Canyon is on line. BIA is putting together the information that Josh has requested from BIA about the O&M of the treatment plants at the schools and Keams Canyon, as well as system usage and capacity.

Eldine Stevens indicated she is not up to date on the status of the project. She has heard some discussions but nothing conclusive.

Rex Wahl indicated that he works for Dennis Rodriguez and is the person that will be assembling the O&M information for the BIA water and treatment systems. Because the BIA inventory system does not split off drinking water resources/information per se, other sources of information is also being used. Rex sent some of the capacity information for the Hopi High School and BIA Keams Canyon water systems. This information came from the sanitary surveys. Rex is trying to gather actual meter reading information from the Keams Canyon water system.

Bonnie Secakuku indicated that Sipaulovi is trying to attend all the public presentations. Each affected village still has a lot of questions about the project since they still are not understanding the whole project. Sipaulovi recommended that a press release be put into the local paper. It was suggested that it may be time for the Hopi Tribe to conduct public outreach activities again. On new item to mention in the public outreach activities is the formation of a tribal utility. Previously, IHS had prepared a one-page fact sheet that was handed out during their village meetings. There was also an article about the HAMP in the local paper. Marcus Felter will get together with Josh Van Vleet to try to find these documents in the District Office. The public outreach information should also include the fact that once the HAMP is in place and operating, the water received by each village will have a fee associated with it. This fact should be mentioned since some village members do not presently pay for water.

Christine Tawahongva indicated that the HAMP had been featured in their newsletters in order to keep their members informed. Shungopavi will be sending out newsletter again and will include information about the HAMP.

Dennis Rodriguez indicated there will be a modification to the draft EA to address bringing the service to the BIE schools and BIA Keams Canyon facility so BIA can be a participant in the project. Dennis also indicated he has a copy of the draft EA and the request for comments from BIA.

Eric Matson indicated that the Hopi Tribe has requested that the EA be changed to be inclusive to bring in the BIA systems. The Tribe will look for funding based on the expanded scope of work. IHS will work with the Tribe about this change since the expanded scope of work may affect the existing contracts.

Rex Wahl indicated that the BIA, Western Regional Office, in Phoenix is a cooperating agency for the EA. BIA has asked to review the Hopi Tribe's proposal to USDA.

Brad Rae indicated that public information be made available, especially to the affected residents since they need an upfront understanding of the additional cost they may need to pay. Some villages use H13 funds to pay for water. FMCV has no H13 funds. So, its O&M costs are paid out of user fees. The HAMP uses the master meter concept, which is a master water meter through which all the water that enters into a village distribution system must pass. The cost of water provided to each village can be estimated from the master meter. IHS, however, is not in the position to say what

it will cost an individual consumer in a specific village. It is up to each village how it allocates costs to the residents. Each village is responsible to pay the bill for water recorded by the master meter.

Eric Matson warned everyone to be aware of the O&M costs for the HAMP. The data is good as far as what is being spent now. However, in the long term, the O&M costs may be high.

Bessie Lee indicated she will still set up a separate conference call about how to approach the enforcement actions for the Polacca, Sipaulovi (Lower Sipaulovi/Lower Mishongnovi), Mishongnovi (Upper Sipaulovi/Upper Mishongnovi) and Shungopavi water systems. However, the call should be set up AFTER the wells are drilled.

Bessie Lee will add Dennis Rodriguez, Eldine Stevens, and Rex Wahl to the distribution list for the monthly Hopi calls.

Shungopavi – Lionel Puhuyesva sent a revised work plan for the additional work. Bessie Lee received the revised work plan on April 30, 2013.

Marcus Felter indicated that the next step is to create project documents between the Hopi Tribe and IHS (e.g., MOA) so the project is on IHS' books. Once on the books, IHS can start construction. The grant ends December 31, 2013. Cultural reports been completed for the section of the water main being constructed. IHS prefers to use NECA for the construction work.

Leslie Nasingoetewa indicated he has not seen the final as-built drawings from the system upgrade work completed a couple of years ago. Kerry Brough will follow up on the as-built drawings. IHS asked that they be provided a courtesy copy of the as-builts for their files.

Upper Moenkopi, Wastewater - Susanne Perkins indicated that on March 27, 2013 she forwarded a copy of the letter USEPA sent to Upper Moenkopi on July 19, 2012 that discusses USEPA's position on using the effluent from the wastewater treatment plan to irrigate food crops for human consumption. USEPA had not received a response back from the village about the letter. Susanne wondered whether there are still questions about the issue. Susanne also indicated she and Brett Moffatt (Region 9 attorney) had reached out to Robert Lyttle, the Hopi attorney, about whether the Hopi Tribe has a significant interest in the wastewater treatment system. This information is needed in order to pursue an enforcement action. Susanne also indicated she received questions from Pete Mitchell.

Randy Wolff indicated that the wastewater plant is waiting for some parts (e.g., controls) for some needed repairs. The electrician is rebuilding pumps. Sludge is being trucked to the landfill. MDC cannot afford the operations (financially), but the wastewater plant is doing well. The MUA Board has been made inactive for a year by the Upper Moenkopi Village Council. MDC and Governor Shingoitewa has agreed to share in the operation of the treatment plant, even though the operational money is coming from MDC. It is hoped that the Village Council will formally approve that MDC runs the wastewater system until MUA is back up and running.

MUA is the permittee for the wastewater plant and is still in existence, but has no Board. With no Board, responsibility for the wastewater plant falls back to the Village. Lionel Puhuyesva indicated that the wastewater plant ultimately falls back to the Village since the Charters of the Hopi Villages indicates the organizations that run the systems. In absence of a MUA Board, the responsible party for the wastewater plant is MDC and the Village of Upper Moenkopi. A question was asked about the plans for reestablishing the Board. There should be a functioning MUA Board (i.e., 5 Board members) in the next year. The Board members do not have to be Village residents. The solicitation process to find MUA Board members has not yet been started. The Village does the solicitation. MDC has a Board meeting on May 2, 2012. One of the agenda items for the MDC Board is how long MDC can operate the wastewater plant. It was decided to keep MUA as the NPDES permittee for now.

Randy Wolff asked whether water in the wash can be used for irrigation. The effluent from the wastewater plant goes into the wash. Navajo is downstream from the wash. Navajo has asked about using the water in the wash for irrigation. Suzanne will get back to Randy about the question. Lionel Puhuyesva indicated that from the Hopi Tribe's standpoint, if the effluent samples shows that the NPDES permit requirements are being met, once the effluent gets into the wash, the water is no longer the responsibility of the wastewater treatment plant.

RCAC and ITCA can provide technical assistance and explain how the bugs work in the wastewater plant. IHS has a contract with ITCA such that if someone can provide the onsite training, ITCA can set up a one-page contract to work with the system. Randy Wolff will work directly with Brad Rae to set up training for the wastewater plant operators.

Fred Koruh passed the Level 1 certification in wastewater. David Jensen is being sent for training/certification. Susanne Perkins will look into the certification requirements for the wastewater plant. Susanne thinks it may be a Level 3. The original funding for the wastewater treatment plant had no certification requirement associated with it. USEPA hopes the operators will proceed further with their certifications.

Upper Moenkopi, Drinking Water – For the new storage tank, the engineering for the below-ground piping is taking place. Tank construction activities cannot start until the below-ground piping is installed.

Randy Wolff indicated the chemical pump needs replacing, at a cost of about \$800 to \$1000. There is a spare pump and spare parts at the RO plant that can be borrowed. Brad Rae reminded everyone that the spare pump should be the correct size. Randy can forward the available pump information to Brad to get an idea of the cost to replace the pump. Brad indicated he needs the capacity that the pump is rated.

AMEC is a contractor working for BIA in association with the Tuba City Open Dump investigation. AMEC will be conducting a study to identify the cone of depression and recovery of the Upper Moenkopi source wells the week of May 20, 2013.

Randy Wolff indicated that the gate valves and backflow prevention devices are issues with the RO system. Randy will talk to Notah Begay about what exactly needs to be done. GHD is trying for 24 hour operations at least 1 day per week for the RO plant. Randy Wolff was made aware of this. During the 24 hour operations, the water operators do not have to be at the RO plant. If the system is not working and no one is there, the RO system and wells should shut down.

Lionel Puhuyesva will work with all the Hopi villages to pull together the chlorine needs for the Hopi water systems. There could be some cost savings if there is one chlorine vendor for all the water systems.

Kerry Brough indicated that the compliance sampling results were sent to USEPA. Bessie Lee will talk to Kerry about the results and whether 4 quarters of data were collected and reported to USEPA for the new C-Aquifer well.

Next Call – The next call will be on Wednesday, June 5, 2013 at 12:30 a.m. Hopi/California Time.

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Bessie Lee

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